

Sequences

SEQUENCE LISTING

<110> BROWN, Eric L.

LEE, Lawrence

HOOK, Magnus

<120> METHOD OF PREVENTING T CELL-MEDIATED RESPONSES BY THE USE OF THE MAJOR HISTOCOMPATIBILITY COMPLEX CLASS II ANALOG PROTEIN (MAP PROTEIN) FROM STAPHYLOCOCCUS AUREUS

<130> P07023US01/BAS

<150> 60/260,523

<151> 2001-01-10

<160> 4

<170> PatentIn version 3.1

<210> 1

<211> 603

<212> DNA

<213> Staphylococcus aureus

<220>

<221> CDS

<222> (1)..(603)

<223>

<400> 1

atg aga gga tcg cat cac cat cac cat cac gga tcc cag att cca tat

Met Arg Gly Ser His His His His His His Gly Ser Gln Ile Pro Tyr		
1 5 10 15		
aca atc act gtg aat ggt aca agc caa aac att tta tca agc tta aca		96
Thr Ile Thr Val Asn Gly Thr Ser Gln Asn Ile Leu Ser Ser Leu Thr		
20 25 30		
ttt aat aag aat caa caa att agt tat aaa gat ata gag aat aaa gtt		144
Phe Asn Lys Asn Gln Gln Ile Ser Tyr Lys Asp Ile Glu Asn Lys Val		
35 40 45		
aaa tca gtt tta tac ttt aat aga ggt att agt gat atc gat tta aga		192
Lys Ser Val Leu Tyr Phe Asn Arg Gly Ile Ser Asp Ile Asp Leu Arg		
50 55 60		
ctt tct aag caa gca aaa tac acg gtt cat ttt aag aat gga aca aaa		240
Leu Ser Lys Gln Ala Lys Tyr Thr Val His Phe Lys Asn Gly Thr Lys		
65 70 75 80		
aga gtt gtc gat ttg aaa gca ggc att cac aca gcc gac tta atc aat		288
Arg Val Val Asp Leu Lys Ala Gly Ile His Thr Ala Asp Leu Ile Asn		
85 90 95		
aca agt gac att aaa gca att agt gtt aac gta gat act aaa aag caa		336
Thr Ser Asp Ile Lys Ala Ile Ser Val Asn Val Asp Thr Lys Lys Gln		
100 105 110		
gtg aaa gat aaa gag gca aaa gca aat gtt caa gtg ccg tat aca atc		384
Val Lys Lys Glu Ala Lys Ala Asn Val Gln Val Pro Tyr Thr Ile		
115 120 125		
act gtg aat ggt aca agc caa aac att tta tca aac tta aca ttt aaa		432
Thr Val Asn Gly Thr Ser Gln Asn Ile Leu Ser Asn Leu Thr Phe Lys		
130 135 140		
aag aat cag caa att agt tat aaa gat tta gag aat aat gta aaa tca		480
Lys Asn Gln Gln Ile Ser Tyr Lys Asp Leu Glu Asn Asn Val Lys Ser		
145 150 155 160		
gtt tta aaa toa aac aga ggt ata act gat gta gat tta aga ctt tca		528
Val Leu Lys Ser Asn Arg Gly Ile Thr Asp Val Asp Leu Arg Leu Ser		
165 170 175		
aaa caa gcg aaa ttt aca gtt aat ttt aaa aat ggc acg aaa aaa gtt		576
Lys Gln Ala Lys Phe Thr Val Asn Phe Lys Asn Gly Thr Lys Lys Val		
180 185 190		
atc gat ttg aaa gca ggc att tat tga		603
Ile Asp Leu Lys Ala Gly Ile Tyr		
195 200		
<210> 2		
<211> 200		
<212> PRT		
<213> Staphylococcus aureus		

<400> 2

Met	Arg	Gly	Ser	His	His	His	His	His	Gly	Ser	Gln	Ile	Pro	Tyr
1				5				10					15	

Thr	Ile	Thr	Val	Asn	Gly	Thr	Ser	Gln	Asn	Ile	Leu	Ser	Ser	Leu	Thr
			20				25						30		

Phe	Asn	Lys	Asn	Gln	Gln	Ile	Ser	Tyr	Lys	Asp	Ile	Glu	Asn	Lys	Val
						35		40				45			

Lys	Ser	Val	Leu	Tyr	Phe	Asn	Arg	Gly	Ile	Ser	Asp	Ile	Asp	Leu	Arg
					50		55				60				

Leu	Ser	Lys	Gln	Ala	Lys	Tyr	Thr	Val	His	Phe	Lys	Asn	Gly	Thr	Lys
					70				75				80		

Arg	Val	Val	Asp	Leu	Lys	Ala	Gly	Ile	His	Thr	Ala	Asp	Leu	Ile	Asn
					85				90				95		

Thr	Ser	Asp	Ile	Lys	Ala	Ile	Ser	Val	Asn	Val	Asp	Thr	Lys	Lys	Gln
					100			105				110			

Val	Lys	Asp	Lys	Glu	Ala	Lys	Ala	Asn	Val	Gln	Val	Pro	Tyr	Thr	Ile
					115			120				125			

Thr	Val	Asn	Gly	Thr	Ser	Gln	Asn	Ile	Leu	Ser	Asn	Leu	Thr	Phe	Lys
						130		135				140			

Lys	Asn	Gln	Gln	Ile	Ser	Tyr	Lys	Asp	Leu	Glu	Asn	Asn	Val	Lys	Ser
					145			150		155			160		

Val	Leu	Lys	Ser	Asn	Arg	Gly	Ile	Thr	Asp	Val	Asp	Leu	Arg	Leu	Ser
					165			170				175			

Lys	Gln	Ala	Lys	Phe	Thr	Val	Asn	Phe	Lys	Asn	Gly	Thr	Lys	Val	
					180			185				190			

Ile	Asp	Leu	Lys	Ala	Gly	Ile	Tyr								
					195		200								

<210> 3

<211> 396

<212> DNA

<213> *Staphylococcus aureus*

<220>

<221> CDS

<222> (1)..(396)

<223>

<400> 3		
atg aga gga tcg cat cac cat cac cat cac gga tcc cag att cca tat		48
Met Arg Gly Ser His His His His His Gly Ser Gln Ile Pro Tyr		
1 5 10 15		
aca atc act gtg aat ggt aca agc caa aac att tta tca agc tta aca		96
Thr Ile Thr Val Asn Gly Thr Ser Gln Asn Ile Leu Ser Ser Leu Thr		
20 25 30		
ttt aat aag aat caa caa att agt tat aaa gat ata gag aat aaa gtt		144
Phe Asn Lys Asn Gln Gln Ile Ser Tyr Lys Asp Ile Glu Asn Lys Val		
35 40 45		
aaa tca gtt tta tac ttt aat aga ggt att agt gat atc gat tta aga		192
Lys Ser Val Leu Tyr Phe Asn Arg Gly Ile Ser Asp Ile Asp Leu Arg		
50 55 60		
ctt tct aag caa gca aaa tac acg gtt cat ttt aag aat gga aca aaa		240
Leu Ser Lys Gln Ala Lys Tyr Thr Val His Phe Lys Asn Gly Thr Lys		
65 70 75 80		
aga gtt gtc gat ttg aaa gca ggc att cac aca gcc gac tta atc aat		288
Arg Val Val Asp Leu Lys Ala Gly Ile His Thr Ala Asp Leu Ile Asn		
85 90 95		
aca agt gac att aaa gca att agt gtt aac gta gat act aaa aag caa		336
Thr Ser Asp Ile Lys Ala Ile Ser Val Asn Val Asp Thr Lys Lys Gln		
100 105 110		
gtg aaa gat aaa gag gca aaa gca aat gtt gtc gac ctg cag cca agc		384
Val Lys Asp Lys Glu Ala Lys Ala Asn Val Val Asp Leu Gln Pro Ser		
115 120 125		
tta att agc tga		396
Leu Ile Ser		
130		

<210> 4

<211> 131

<212> PRT

<213> *Staphylococcus aureus*

<400> 4

Met Arg Gly Ser His His His His His His Gly Ser Gln Ile Pro Tyr
1 5 10 15

Thr Ile Thr Val Asn Gly Thr Ser Gln Asn Ile Leu Ser Ser Leu Thr
20 25 30

Phe Asn Lys Asn Gln Gln Ile Ser Tyr Lys Asp Ile Glu Asn Lys Val
35 40 45

Lys Ser Val Leu Tyr Phe Asn Arg Gly Ile Ser Asp Ile Asp Leu Arg
50 55 60

Leu Ser Lys Gln Ala Lys Tyr Thr Val His Phe Lys Asn Gly Thr Lys
65 70 75 80

Arg Val Val Asp Leu Lys Ala Gly Ile His Thr Ala Asp Leu Ile Asn
85 90 95

Thr Ser Asp Ile Lys Ala Ile Ser Val Asn Val Asp Thr Lys Lys Gln
100 105 110

Val Lys Asp Lys Glu Ala Lys Ala Asn Val Val Asp Leu Gln Pro Ser
115 120 125

Leu Ile Ser
130